

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	09/845,938
Filing Date	April 30, 2001
First Named Inventor	Kabanov, Alexander V.
Group Art Unit	1615
Examiner Name	TBA
Attorney Docket Number	3874-129 US

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
[Signature]	1	US-5,656,611	8/12/97	Kabanov et al.	
	2	US- 5,648,071	7/15/97	Hunter et al.	
	3	US- 5,554,372	9/10/96	Hunter	
	4	US- 5,885,590	3/23/99	Hunter et al.	
	5	US- 5,840,319	11/24/98	Alakhov et al.	
	6	US- 5,449,513	9/12/95	Yokoyama et al.	
	7	US- 5,412,072	5/2/95	Sakurai et al.	
	8	US- 4,772,466	9/20/88	Allison et al.	
	9	US- 5,417,982	5/23/95	Modi	
	10	US- 5,696,090	12/9/97	McGregor et al.	
	11	US- 5,436,170	7/25/95	Cornell et al.	
	12	US- 4,609,546	9/2/86	Hiratani	
	13	US- 4,027,013	5/31/77	Bick et al.	
	14	US- 4,740,498	4/26/88	Hirao et al.	
	15	US- 4,188,373	2/12/80	Krezanoski	
	16	US- 6,277,410 B1	8/21/2001	Kabanov et al.	
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
[Signature]	17	WO 96/40056	12/19/96	Kabanov		
	18	WO 99/39731	8/12/99	Kabanov et al.		
	19	WO92/00101	1/9/92	Hunter et al.		
	20	WO 96/15778	5/30/96	Kabanov et al.		
	21	WO 96/16541	6/6/96	Kabanov et al.		
	22	WO 96/40055	12/19/96	Kabanov et al.		
	23	EP 0 211 601 A2	7/29/86	Blum et al.		

Examiner Signature

Date Considered

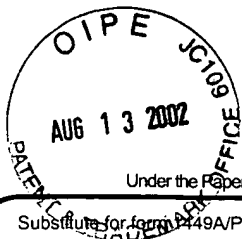
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<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

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### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A	ALEXANDER V. KLABANOV et al., A New Class of Drug Carriers: Micelles of Poly (oxyethylene)-poly (oxypropylene) Block Copolymers as Microcontainers for Drug Targeting From Blood in Brain, Journal of Controlled Release 22:141-158 (1992)	
	B	ALEXANDER V. KLABANOV et al., Interpolyelectrolyte and Block Ionomer Complexes for Gene Delivery: Physico-chemical Aspects, Advanced Drug Delivery Reviews, 30:49-60 (1998)	
	C	ELENA V. BATRAKOVA et al., Effects of Pluronic Block Copolymers on Drug Absorption in Caco-2 Cell Monolayers, Pharmaceutical Research, Vol. 15, No. 6, pp. 850 (1998)	
	D	VLADIMIR P. CHEKHONIN et al., Fatty Acid Acylated Fab-fragments of Antibodies to Neurospecific Proteins as Carriers for Neuroleptic Targeted Delivery in Brain, FEBS 287, pp. 149-152 (1991)	
	E	DEVERY A. HOWERTON et al. Induction of Macrophage Ia Expression in Vivo by a Synthetic Block Copolymer, L81, Journal of Immunology, Vol. 144, pp. 1578-1584 (1990)	
	F	OTMANE BOUSSIF et al., A Versatile Vector for Gene and Oligonucleotide Transfer Into Cells In Culture and In Vivo: Polyethylenimine, Proc. Natl. Acad. Sci. USA, vol. 92, pp. 7297-7301 (1995)	
	G	JAMES G. McARTHUR et al., Induction of Protective Anti-Tumor Immunity by Gene-Modified Dendritic Cells, Journal of Immunotherapy, 21(1): 41-47 (1998)	
	H	H-K NGUYEN et al., Evaluation of Polyether-Polyethyleneimine Graft Copolymers as Gene Transfer Agents, Gene Therapy (2000) 7, pp. 126-138 (2000)	

Examiner Signature		Date Considered	8/25/03
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